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On April 12, 2006

By Ann Massey
Ann Massey

Attorney Docket No. 0339.310US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

S. Christopher Davis

Examiner: Herbert J. Lilling

Application No.: 10/782,258

Art Unit: 1651

Filed: February 18, 2004

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER
37 CFR § 1.97 and § 1.98

For: Enzymatic Processes for the
Production of 4-Substituted 3-
Hydroxybutyric Acid Derivatives

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

04/18/2006 WASFAW1 00000106 500990 10782258

02 FC:1806 180.00 DA

This IDS is being filed after the mailing date of the first Office Action and more than three months after the filing date, but prior to the Notice of Allowance or Final Office Action.

Please deduct \$180.00, pursuant to 37 CFR §1.17(p), from the undersigned's Deposit Account No. 50-0990. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

By: 

Attorney for Applicant

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April 12, 2006

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Substitute for form 1449A-B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/782,258
Filing Date	February 18, 2004
First Named Inventor	S. Christopher Davis
Group Art Unit	1651
Examiner Name	Herbert J. Lilling
Attorney Docket Number	70339.310US

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	1	2005/0272064	A1	Davis et al.	12/08/2005	
	2	2005/0153417	A1	Davis et al.	07/14/2005	
	3	2005/0095619	A1	Davis et al.	05/05/2005	
	4	2004/0137585	A1	Davis et al.	07/15/2004	
	5	6,689,591	B2	Muller et al.	02/10/2004	
	6	6,645,746	B1	Kizaki et al.	11/11/2003	
	7	6,596,879	B2	Bosch et al.	07/22/2003	
	8	6,472,544	B1	Kizaki et al.	10/29/2002	
	9	6,344,569	B1	Mitsuda et al.	02/05/2002	
	10	6,448,052	B1	Yasohara et al.	09/10/2002	
	11	2002/0045233	A1	Hershberger et al.	04/18/2002	
	12	6,001,615		Reeve	12/14/1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	13	WO	05/018579	A2	Codexis, Inc.	03/03/2005		
	14	WO	05/045016	A2	Codexis, Inc.	05/19/2005		
	15	WO	05/017135	A1	Codexis, Inc.	02/24/2005		
	16	WO	05/017141	A1	Codexis, Inc.	02/24/2005		
	17	EP	0 967 271	A1	Kaneka Corporation	12/29/1999		
	18	EP	1 416 050	A1	Kaneka Corporation	05/06/2004		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).	T
	19	DATABASE EMBL [ONLINE] 3 JUNE 1999 (1999-06-03), LEWIS, M.: "Agrobacterium tumefaciens haloalcohol dehalogenase B gene, complete CDs." XPOO2305665 retrieved from EBI accession no. EM_PRO:AF149769	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>	Complete if Known	
	Application Number	10/782,258
	Filing Date	February 18, 2004
	First Named Inventor	S. Christopher Davis
	Group Art Unit	1651
	Examiner Name	Herbert J. Lilling
	Attorney Docket Number	70339.310US

	20	de Jong, R.M. <i>et al.</i> , "Structure and mechanism of a bacterial haloalcohol dehalogenase: a new variation of the short-chain dehydrogenase/reductase fold without an NAD(P)H binding site," <i>The EMBO Journal</i> 22(19):4933-4944 (2003) XP-002305279	
	21	LAMPEL, K.A. <i>et al.</i> , "Characterization of the Developmentally Regulated Facillus-Subtilis Glucose Dehydrogenase Gene", <i>Journal of Bacteriology</i> , 166(1):238-243 (1986) XP-002327631	
	22	MANJON A. <i>et al.</i> , "Increased Activity of Glucose Dehydrogenase Co-Immobilized with a Redox Mediator in a Bioreactor with Electrochemical NAD+ Regeneration", <i>Biotechnology Letters</i> , 24(15):1227-1232 (2002)	
	23	TANG, Lixia <i>et al.</i> , "Steady-state kinetics and tryptophan fluorescence properties of halohydrin dehalogenase from <i>Agrobacterium radiobacter</i> roles of W139 and W249 in the active site and halide-induced conformational change," <i>Biochemistry</i> 42:14057-14065 (2003) XP-002305278	
	24	YASOHARA, Y. <i>et al.</i> , "Molecular cloning and overexpression of the gene encoding an NADPH-dependent carbonyl reductase from candida magnoliae, involved in stereoselective reduction of ethyl 4-chloro-3-oxobutanoate," <i>Bioscience Biotechnology Biochemistry, Japan Soco. For Bioscience, Biotechnology and Agrochem</i> 64(7) 1430-1436 (July 2000)	

Examiner Signature		Date Considered	
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